CUST. NAME:

PROJECT NO.:

P.O. NUMBER:

DESCRIPTION: G3+B INVERTER STANDARD
518~815kVA, SINEWAVE
518~1000kVA, NON-SINEWAVE
932~1000kVA, SINEWAVE, 40°C

☒ FINAL

☐ PRELIMINARY

☐ FOR APPROVAL

Note: Final Engineering and Manufacturing will proceed upon receipt of final approval

☐ NOT APPROVED AS NOTED – RESUBMIT DRAWINGS FOR APPROVAL. DO NOT PROCEED WITH FINAL ENGINEERING OR MANUFACTURING.

☐ APPROVED AS NOTED – PROCEED WITH FINAL ENGINEERING AND MANUFACTURING.

☐ APPROVED AS SUBMITTED – PROCEED WITH FINAL ENGINEERING AND MANUFACTURING.

APPROVAL BY:

Initial

Date

NO	DRAWING NO	REV	DRAWING DESCRIPTION
00	I808HQ00	4	DRAWING LIST 1
01	I808HQ01	3	DRAWING LIST 2
02	I808HQ02	0	DRAWING LEGEND
03	I808HQ03	0	MODEL NUMBER CONFIGURATION
04	---	--	----
05	I808HQ05	2	EQUIPMENT RATINGS
06	I808HQ06	2	EQUIPMENT RATINGS
07	---	--	----
08	I808HQ08	1	THREE-LINE DIAGRAM
09	I808HQ09	0	MAIN CIRCUIT – AC IN/DC BUS
10	I808HQ10	0	MAIN CIRCUIT – DC BUS/AC OUT
11	---	--	----
12	I808HQ12	0	MAIN CIRCUIT DETAIL – INVERTER
13	---	--	----
14	---	--	----
15	---	--	----

NO	DRAWING NO	REV	DRAWING DESCRIPTION
16	---	--	----
17	---	--	----
18	I808HQ18	0	LOGIC INTERFACE CIRCUIT
19	---	--	----
20	I808HQ20	0	CONTROL CIRCUIT
21	I808HQ21	0	CONTROL CIRCUIT – TEMPERATURE CONTROL
22	---	--	----
23	---	--	----
24	---	--	----
25	---	--	----
26	---	--	----
27	---	--	----
28	---	--	----
29	I808HQ29	0	PCB INTERCONNECTIONS
30	---	--	----
31	---	--	----

REV	DATE	DESCRIPTION	BY	CHK	APPR
4	11/21/08	REV SHTS 00, 01	JT		
3	04/30/07	REV SHTS 00, 05, 06, 08	JT	JT	JBA
2	11/02/07	ADD REVISION LEVELS	JT	JT	JBA
1	10/08/07	DELETE REVISION LEVELS	JT	JT	JBA
0	10/18/05	FIRST ISSUE	HHP	JT	JBA

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TITLE:
DRAWING LIST 1
2 POWER MODULES G3+B 480VAC

CUSTOMER:

PROJECT NUMBER:

REVISION: 4

SCALE:

DRAWING NUMBER: I808HQ00

CUST. NAME:

PROJECT NO.:

P.O. NUMBER:

DESCRIPTION: G3+B INVERTER STANDARD
518~815kVA, SINEWAVE
518~1000kVA, NON-SINEWAVE
932~1000kVA, SINEWAVE, 40°C

[X] FINAL

[ ] PRELIMINARY

[ ] FOR APPROVAL

Note: Final Engineering and Manufacturing will proceed upon receipt of final approval

[ ] NOT APPROVED AS NOTED – RESUBMIT DRAWINGS FOR APPROVAL. DO NOT PROCEED WITH FINAL ENGINEERING OR MANUFACTURING.

[ ] APPROVED AS NOTED – PROCEED WITH FINAL ENGINEERING AND MANUFACTURING.

[ ] APPROVED AS SUBMITTED – PROCEED WITH FINAL ENGINEERING AND MANUFACTURING.

APPROVAL BY:

_____ Initial

_____ Date

NO	DRAWING NO	REV	DRAWING DESCRIPTION
32	I808HQ32	1	ENCLOSURE OUTLINE – N1, SINEWAVE, 6 PULSE
33	I808HQ33	1	ENCLOSURE OUTLINE – N1, SINEWAVE, 12 PULSE
34	I808HQ34	1	ENCLOSURE OUTLINE – N1, NON-SINEWAVE, 6 PULSE
35	I808HQ35	1	ENCLOSURE OUTLINE – N1, NON-SINEWAVE, 12 PULSE
36	I808HQ36	1	ENCLOSURE OUTLINE – N3R, SINEWAVE, 6 PULSE
37	I808HQ37	1	ENCLOSURE OUTLINE – N3R, SINEWAVE, 12 PULSE
38	I808HQ38	1	ENCLOSURE OUTLINE – N3R, NON-SINEWAVE, 6 PULSE
39	I808HQ39	1	ENCLOSURE OUTLINE – N3R, NON-SINEWAVE, 12 PULSE
40	---	--	----
41	---	--	----
42	---	--	----
43	---	--	----
44	---	--	----
45	---	--	----
46	---	--	----
47	---	--	----

NO	DRAWING NO	REV	DRAWING DESCRIPTION
48	---	--	----
49	---	--	----
50	---	--	----
51	---	--	----
52	---	--	----
53	---	--	----
54	---	--	----
55	---	--	----
56	---	--	----
57	---	--	----
58	---	--	----
59	---	--	----
60	---	--	----
61	---	--	----
62	---	--	----
63	---	--	----

REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3	11/21/08	REV SHTS 32~39	JT		
2	11/02/07	DEL MECH ASSEMBLIES; ADD REV LEVELS	JT	JT	JBA
1	10/08/07	ADD MECH ASSEMBLIES; DELETE REV LEVELS	JT	JT	JBA
0	10/18/05	FIRST ISSUE	HHP	JT	JBA

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TITLE:
DRAWING LIST 2
2 POWER MODULES G3+B 480VAC

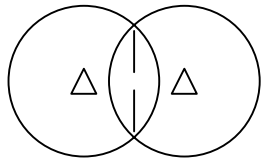
CUSTOMER:

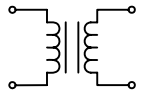
PROJECT NUMBER:

REVISION: 3

SCALE:

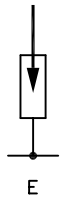
DRAWING NUMBER: I808HQ01


POWER TRANSFORMER

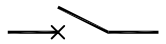

CONTROL POWER OR POTENTIAL TRANSFORMER

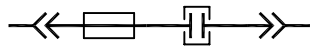
CURRENT TRANSFORMER

REACTOR

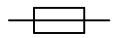


LIGHTNING ARRESTOR


CIRCUIT BREAKER

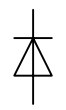

FUSED VACUUM DRAWOUT CONTACTOR

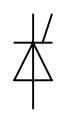
AIR CONTACTOR

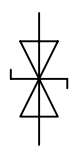

FUSE

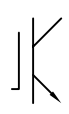
CAPACITOR

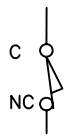
RESISTOR


DIODE


THYRISTOR

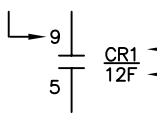

SURGE ABSORBER


INSULATED GATE BIPOLAR TRANSISTOR (IGBT)



LIMIT SWITCH

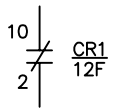
DENOTES ACTUAL CONTACT USED



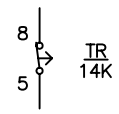
DEVICE NAME

N.O. CONTACT

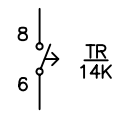
DENOTES RELAY CAN BE FOUND ON PAGE 12, COLUMN F



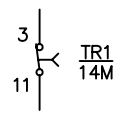
N.C. CONTACT



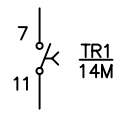
OFF–TIME DELAY CONTACT N.C.



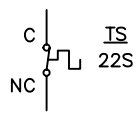
OFF–TIME DELAY CONTACT N.O.



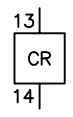
ON–TIME DELAY CONTACT N.C.



ON–TIME DELAY CONTACT N.O.



THERMAL SWITCH N.C.



RELAY COIL

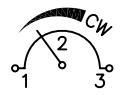
DEVICE LEGEND

NAME			
a		b	11B
a		b	
a		b	
a	---	b	---
MODEL #			

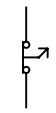
DENOTES b – CONTACT, USED ON PAGE 11, COLUMN B

DENOTES CONTACTS UNAVAILABLE

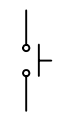
a – DENOTES NORMALLY OPEN
b – DENOTES NORMALLY CLOSED



POTENTIOMETER

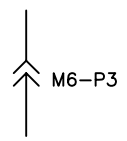

SELECTOR SWITCH

N.C. PUSH BUTTON


N.O. PUSH BUTTON

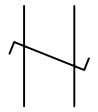
⊕ TB–10

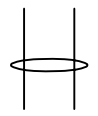
CONTROL TERMINAL BLOCK

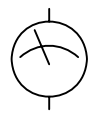


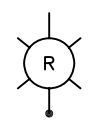
PLUG/CONNECTOR ASSEMBLY

GROUND

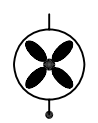

TWISTED WIRE


SHIELDED WIRE


METER



ILLUMINATED PUSH BUTTON OR INDICATING LIGHT (LETTER = COLOR)


COOLING FAN

LEGEND

ACL	AC LINE REACTOR
A/C	AIR CONDITIONER
AM	AMMETER
AS	AMMETER SWITCH
CL	CURRENT LIMITER
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
DBR	DYNAMIC BRAKING RESISTOR
M	AIR CONTACTOR
MCCB	MOLDED CASE CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MOT	MOTOR
OL	THERMAL OVERLOAD
RFF	RADIO FREQUENCY FILTER
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLTMETER
VS	VOLTMETER SWITCH
XFMR	TRANSFORMER
ZCT	GROUND FAULT CT

SYMBOL LEGEND

(J) JUMPER

(M) MECHANICAL INTERLOCK

REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2					
1					
0	10/17/05	FIRST ISSUE	HHP		

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TITLE: DRAWING LEGEND

CUSTOMER:

PROJECT NUMBER:

REVISION: 0

SCALE:

DRAWING NUMBER: I808HQ02

G3+B DRIVE MODEL NUMBER DEVELOPMENT

G3+ B 4 ___ ____

G3+ SERIES DRIVE

REVISION B

RATED VOLTAGE
4 – 480VAC

CONFIGURATION

CC1 – NEMA 1, 12 PULSE
CC1S – NEMA 1, 12 PULSE, WITH SINEWAVE FILTER
CB1 – NEMA 1, 6 PULSE
CB1S – NEMA 1, 6 PULSE, WITH SINEWAVE FILTER
CC – NEMA 3R, 12 PULSE
CCS – NEMA 3R, 12 PULSE, WITH SINEWAVE FILTER
CB – NEMA 3R, 6 PULSE
CBS – NEMA 3R, 6 PULSE, WITH SINEWAVE FILTER

OPTIONS TABLE

CONFIGURATION	① NEMA 1	②NEMA 3R	③6 PULSE	④12 PULSE	⑤SINEWAVE	⑥NON–SINEWAVE
CC1	X			X		X
CC1S	X			X	X	
CB1	X		X			X
CB1S	X		X		X	
CC		X		X		X
CCS		X		X	X	
CB		X	X			X
CBS		X	X		X	

DRIVE RATING

51K – 518kVA
60K – 600kVA
70K – 700kVA
81K – 815kVA
93K40 – 932kVA
93K – 932kVA
10L40 – 1000kVA
10L – 1000kVA

AMBIENT TEMPERATURE

WITH SINEWAVE FILTER		WITHOUT SINEWAVE FILTER	
40°C	50°C	40°C	50°C
	X		X
	X		X
	X		X
	X		X
X			
			X
X			
			X

REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2					
1					
0	10/17/05	FIRST ISSUE	HHP		

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TITLE:
MODEL NUMBER CONFIGURATION
2 POWER MODULES G3+B 480VAC

CUSTOMER:

PROJECT NUMBER:

REVISION: 0

SCALE:

DRAWING NUMBER: I808HQ03

PAGE No.	DEVICE	DESCRIPTION	518kVA, 480V, 623A			600kVA, 480V, 722A			700kVA, 480V, 842A		
			TYPE FORM	RATING	PART NUMBER	TYPE FORM	RATING	PART NUMBER	TYPE FORM	RATING	PART NUMBER
8	③ MCCB1	MOLDED CASE SWITCH	SQD PJL36000S80-RE10	600V, 800A, 3P, 65KAIC@480V	PC11001P012	SQD PJL36000S80-RE10	600V, 800A, 3P, 65KAIC@480V	PC11001P012	SQD PJL36000S10-RE10	600V, 1000A, 3P, 65KAIC@480V	PC11001P013
	④ MCCB1, 2	CIRCUIT BREAKER	MGI NJNF36400E20	600V, 400A, 3P, 35KAIC@480V	PC11000P150	MGI NJNF36400E20	600V, 400A, 3P, 35KAIC@480V	PC11000P150	MGI NJNF36600E20	600V, 600A, 3P, 35KAIC@480V	PC11000P094
	MCCB3	CPT1 PRIMARY CIRCUIT BRKR	SMS ED62B015	600V, 15A, 2P, 25KAIC@480V	PC11321P015	SMS ED62B015	600V, 15A, 2P, 25KAIC@480V	PC11321P015	SMS ED62B015	600V, 15A, 2P, 25KAIC@480V	PC11321P015
	8FU3	CPT1 SECONDARY FUSE	GLD TRM 15	15A, 250V, TD, 10KAIC	PC26130P033	GLD TRM 15	15A, 250V, TD, 10KAIC	PC26130P033	GLD TRM 15	15A, 250V, TD, 10KAIC	PC26130P033
	③ FRA~FTA	SEMICONDUCTOR FUSE	CRF A055URD32TTI1600	550V, 1600A (X3)	PC15360P160	CRF A055URD32TTI1600	550V, 1600A (X3)	PC15360P160	CRF A055URD32TTI1600	550V, 1600A (X3)	PC15360P160
	④ FRA,B~FTA,B	SEMICONDUCTOR FUSE	CRF 6,9URD32TTF0800	690V, 800A (X6)	37578	CRF 6,9URD32TTF0800	690V, 800A (X6)	37578	CRF 6,9URD32TTF0800	690V, 800A (X6)	37578
	BFI	BLOWN FUSE INDICATOR	CRF MS3V1-5BS	250V, 3A	PC15360P001	CRF MS3V1-5BS	250V, 3A	PC15360P001	CRF MS3V1-5BS	250V, 3A	PC15360P001
	CPT1	CNTL. PWR. TRANSFORMER	GTI GT-F851	380/400/415/460:230V, 2kVA	PC33130P201	GTI GT-F851	380/400/415/460:230V, 2kVA	PC33130P201	GTI GT-F851	380/400/415/460:230V, 2kVA	PC33130P201
	⑥ ACL1, 2	OUTPUT LINE REACTOR	TCI KLR360BCB	480V, 360A, 1.5%	PC34092P360	TCI KLR360BCB	480V, 360A, 1.5%	PC34092P360	TCI KLR480BCB	480V, 480A, 1.5%	PC34092P400
	⑤ ACL1, 2	OUTPUT LINE REACTOR	TCI KTRSWA400XA	600V, 441A, 0.120mH, 2.2kHZ	PC34097P502	TCI KTRSWA400XA	600V, 441A, 0.120mH, 2.2kHZ	PC34097P502	TCI KTRSWA500XA	600V, 588A, 0.077mH, 2.2kHZ	PC34097P501
	⑤ CAP1~4	FILTER CAPACITOR	SHZ M-N3015-A	200UF, 3PH, 460VAC, 50A	PC14150P021	SHZ M-N3015-A	200UF, 3PH, 460VAC, 50A	PC14150P021	SHZ M-N0044-D	250UF, 3PH, 460VAC, 75A	PC14150P020
	⑤ 8FU4~11	FILTER CAPACITOR FUSE	CRF 6,9gGR SIB NH00	690VAC, 125A	PC15360P010	CRF 6,9gGR SIB NH00	690VAC, 125A	PC15360P010	CRF 6,9gGR SIB NH00	690VAC, 125A	PC15360P010
	⑤ BFI	BLOWN FUSE INDICATOR	CRF F210156C	250V, 10A	PC15360P011	CRF F210156C	250V, 10A	PC15360P011	CRF F210156C	250V, 10A	PC15360P011
	HCTB, HCTC	HALL CT	LEM HAX-500-S/SP11B	625A:4V	PC30013P061	LEM HAX-500-S/SP11C	725A:4V	PC30013P062	LEM HAX-850-S	850A:4V	PC30013P052
9	MS1	SOFT START CONTACTOR	TMQ LC1F400U7	400A, 600V, 3P	PC18701P005	TMQ LC1F400U7	400A, 600V, 3P	PC18701P005	TMQ LC1F400U7	400A, 600V, 3P	PC18701P005
	MS2	CAP DISCHARGE CONTACTOR	CLK 7001-5150-21	40A, 500VDC, 1P	PC18720P013	CLK 7001-5150-21	40A, 500VDC, 1P	PC18720P013	CLK 7001-5150-21	40A, 500VDC, 1P	PC18720P013
	OH1T~OH2T	T-STAT 75°C FIXED N.C.	TKN OHD3-75B	75°C	45811	TKN OHD3-75B	75°C	45811	TKN OHD3-75B	75°C	45811
	OH1B~OH2B	T-STAT 90°C FIXED N.C.	TKN OHD3-90B	90°C	37619	TKN OHD3-90B	90°C	37619	TKN OHD3-90B	90°C	37619
	THR1	HEATSINK THERMISTOR	FEN 590-32BP01-203	2KOHM @ 25 DEG C	41935	FEN 590-32BP01-203	2KOHM @ 25 DEG C	41935	FEN 590-32BP01-203	2KOHM @ 25 DEG C	41935
	R1	SOFT START RESISTOR	PWO WR33	0.67 OHM, 300W, 2S	PC41490P052	PWO WR33	0.67 OHM, 300W, 2S	PC41490P052	PWO WR33	0.67 OHM, 300W, 2S	PC41490P052
	R2	CAP DISCHARGE RESISTOR	PWO SXR2-500	500 OHM, 300W, 3S	PC41490P052	PWO SXR2-500	500 OHM, 300W, 3S	PC41490P052	PWO SXR2-500	500 OHM, 300W, 3S	PC41490P052
	REC1A, M, B~6	DIODE PACK	EUP DD260N16K	1600V, 260A (X12)	PC40316P260	EUP DD260N16K	1600V, 260A (X12)	PC40316P260	EUP DD260N16K	1600V, 260A (X12)	PC40316P260
	③ SA1~SA3	SURGE SUPPRESSOR	SMS B40K550	550V, 3000J	PC47000P003	SMS B40K550	550V, 3000J	PC47000P003	SMS B40K550	550V, 3000J	PC47000P003
	④ SA4~SA6	SURGE SUPPRESSOR	SMS B40K550	550V, 3000J	PC47000P003	SMS B40K550	550V, 3000J	PC47000P003	SMS B40K550	550V, 3000J	PC47000P003
	IGBT7	DYNAMIC BRAKE IGBT	EUP FZ600R12KE3	1200V, 600A (X2)	PC40200P600	EUP FZ600R12KE3	1200V, 600A (X2)	PC40200P600	EUP FZ600R12KE3	1200V, 600A (X2)	PC40200P600
	D7A, B	DYNAMIC BRAKE DIODE	SMK SKN60F15	75A, 1500V	PC40300P075	SMK SKN60F15	75A, 1500V	PC40300P075	SMK SKN60F15	75A, 1500V	PC40300P075
	C7	SNUBBER CAPACITOR	EC 5MP-13086K	5.0UF, 1000VDC	46326	EC 5MP-13086K	5.0UF, 1000VDC	46326	EC 5MP-13086K	5.0UF, 1000VDC	46326
	C7A, B	SNUBBER CAPACITOR	SGU 564R30GAD47	4700pF, 3000V	PC42200P003	SGU 564R30GAD47	4700pF, 3000V	PC42200P003	SGU 564R30GAD47	4700pF, 3000V	PC42200P003
	R7	SNUBBER RESISTOR	UPE RBN50/8-25R	25 OHM, 50W	PC41490P035	UPE RBN50/8-25R	25 OHM, 50W	PC41490P035	UPE RBN50/8-25R	25 OHM, 50W	PC41490P035
	PCB6	DYNAMIC BRAKE G-E PROT	44348A	---	44348A	44348A	---	44348A	44348A	---	44348A
10, 12	⑤ HCTA	HALL CT	NNE HEC-05A(AMO)	500A:4V	PC30013P067	NNE HEC-05A(AMO)	500A:4V	PC30013P067	NNE HEC-07A(AMO)	677A:4V	PC30013P066
	⑥ HCTA	HALL CT	NNE HEC-05A(AMO)	500A:4V	PC30013P067	NNE HEC-05A(AMO)	500A:4V	PC30013P067	NNE HEC-05A(AMO)	500A:4V	PC30013P067
	CA	CAPACITOR	HIT HCGF5AS2G123YQ	12kUF,400VDC(3P/2S)	37568	HIT HCGF5AS2G123YQ	12kUF, 400VDC (3P/2S)	37568	HIT HCGF5AS2G123YQ	12kUF,400VDC(4P/2S⑤, 3P/2S⑥)	37568
	FA	SEMICONDUCTOR FUSE	CRF 6,9URB000BS88	690V, 250A (X3)	52751	CRF 6,9URB000BS88	690V, 250A (X3)	52751	CRF 6,9URB000BS88	690V, 250A(X4⑤, X3⑥)	52751
	RA	CAP BALANCING RESISTOR	DLR RS-10	50 kOHM, 10W (X6)	PC41470P052	DLR RS-10	50 kOHM, 10W (X6)	PC41470P052	DLR RS-10	50 kOHM, 10W (X8⑤, X6⑥)	PC41470P052
	⑤ FUP, FUN	SEMICONDUCTOR FUSE	CRF 6,9URD32TTF0800	690V, 800A (X4)	37578	CRF 6,9URD32TTF0800	690V, 800A (X4)	37578	CRF 6,9URD32TTF1000	690V, 1000A (X4)	47244
	⑥ FUP, FUN	SEMICONDUCTOR FUSE	CRF 6,9URD32TTF0800	690V, 800A (X4)	37578	CRF 6,9URD32TTF0800	690V, 800A (X4)	37578	CRF 6,9URD32TTF0800	690V, 800A (X4)	37578
	BFI	BLOWN FUSE INDICATOR	CRF MS3V1-5BS	250V, 3A	PC15360P001	CRF MS3V1-5BS	250V, 3A	PC15360P001	CRF MS3V1-5BS	250V, 3A	PC15360P001
	IGBT	IGBT	EUP FZ600R12KE3	1200V, 600A (X12)	PC40200P600	EUP FZ600R12KE3	1200V, 600A (X12)	PC40200P600	EUP FZ600R12KE3	1200V, 600A (X18⑤, X12⑥)	PC40200P600
	PCB20~20B	SNUBBER CIRCUIT PCB	PC61910P117A	---	PC61910P117A	PC61910P117A	---	PC61910P117A	PC61910P117A	---	PC61910P117A
	RP, RN	RESISTOR	ITK IRH100N	25 OHM, 100W	PC41490P038	ITK IRH100N	25 OHM, 100W	PC41490P038	ITK IRH100N	25 OHM, 100W	PC41490P038
	RS1, 1A	RESISTOR	EBG HPP/4-10R	10 OHM, 60W	53706	EBG HPP/4-10R	10 OHM, 60W	53706	EBG HPP/4-10R	10 OHM, 60W	53706
18	G3 KPD	G3 OPERATOR KEYPAD	---	---	48723	---	---	48723	---	---	48723
20	DS1	DOOR SWITCH	IDE TABD311N-R	10A, 600V	PC21230P162	IDE TABD311N-R	10A, 600V	PC21230P162	IDE TABD311N-R	10A, 600V	PC21230P162
	MST	TIMER, ON DELAY	IDE GT5Y-2SN1A200	240VAC COIL, 0.1S-10M DELAY	PC20111P180	IDE GT5Y-2SN1A200	240VAC COIL, 0.1S-10M DELAY	PC20111P180	IDE GT5Y-2SN1A200	240VAC COIL, 0.1S-10M DELAY	PC20111P180
	MSX	CONTROL RELAY	IDE RR2P-U-AC240V	240VAC COIL, 7A	PC20229P326	IDE RR2P-U-AC240V	240VAC COIL, 7A	PC20229P326	IDE RR2P-U-AC240V	240VAC COIL, 7A	PC20229P326
21	FAN1, 2	HEAT SINK FAN	ZA RH31M-4/130823	230VAC, 1200CFM, 50/60HZ	PC50050P310	ZA RH31M-4/130823	230VAC, 1200CFM, 50/60HZ	PC50050P310	ZA RH31M-4/130823	230VAC, 1200CFM, 50/60HZ	PC50050P310
	C1, 2	FAN RUN CAPACITOR	CDE SFA37S4K219B-F	370V, 4uF	PC42000P412	CDE SFA37S4K219B-F	370V, 4uF	PC42000P412	CDE SFA37S4K219B-F	370V, 4uF	PC42000P412
	FAN11, 12 (⑦FAN7)	INTERNAL FAN	ETR 148VK0281030	240VAC, 33W, 50/60HZ, 255CFM	00226	ETR 148VK0281030	240VAC, 33W, 50/60HZ, 255CFM	00226	ETR 148VK0281030	240VAC, 33W, 50/60HZ, 255CFM	00226
	NK1, 2 (⑦NK7)	SURGE SUPPRESSOR	MCN RFM25M224KD	250VAC, 0.22uF, 220 OHM	00427	MCN RFM25M224KD	250VAC, 0.22uF, 220 OHM	00427	MCN RFM25M224KD	250VAC, 0.22uF, 220 OHM	00427
	① FAN21~24	ENCLOSURE FAN	ETR 148VK0281030	240VAC, 33W, 50/60HZ, 255CFM	00226	ETR 148VK0281030	240VAC, 33W, 50/60HZ, 255CFM	00226	ETR 148VK0281030	240VAC, 33W, 50/60HZ, 255CFM	00226
	① NK3, 4	SURGE SUPPRESSOR	MCN RFM25M224KD	250VAC, 0.22uF, 220 OHM	00427	MCN RFM25M224KD	250VAC, 0.22uF, 220 OHM	00427	MCN RFM25M224KD	250VAC, 0.22uF, 220 OHM	00427
	② HEX1, 2	HEAT EXCHANGER	DAN PS035055B-P2	230VAC, 1.86A, 55W/°F	PC67808P152	DAN PS035055B-P2	230VAC, 1.86A, 55W/°F	PC67808P152	DAN PS035055B-P2	230VAC, 1.86A, 55W/°F	PC67808P152
	TCC	CONTACTOR	TMQ LC1D09U7	240V COIL, 9A, 600V	PC18701P060	TMQ LC1D09U7	240V COIL, 9A, 600V	PC18701P060	TMQ LC1D09U7	240V COIL, 9A, 600V	PC18701P060
29	PCB1	CONTROL BOARD	VF5C-1271D	---	03828	VF5C-1271D	---	03828	VF5C-1271D	---	03828
	⑤ PCB2, 2A	GATE DRIVE BOARD	42755P4E	---	42755P4E	42755P4E	---	42755P4E	42755P4F	---	42755P4F
	⑥ PCB2, 2A	GATE DRIVE BOARD	42755P4E	---	42755P4E	42755P4E	---	42755P4E	42755P4E	---	42755P4E
	PCB3	INTERFACE BOARD	PC61910P109A	---	PC61910P109A	PC61910P109A	---	PC61910P109A	PC61910P109A	---	PC61910P109A
	PCB4~4E	G-E PROTECT CIRCUIT BOARD	38383C	---	38383C	38383C	---	38383C	38383C	---	38383C
	PCB5	TERMINAL BOARD	41578A	---	41578A	41578A	---	41578A	41578A	---	41578A
	PCB7	OPTION ROM	58270	VER 7008	58270	58270	VER 7008	58270	58270	VER 7008	58270

NOTES:

① NEMA 1 OPTION
② NEMA 3R OPTION
③ 6 PULSE OPTION
④ 12 PULSE OPTION
⑤ SINEWAVE FILTER OPTION
⑥ NON-SINEWAVE FILTER
⑦ IGBT7 OPTION

REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2	04/30/08	ECO 75305-CPT1 WAS SQD	JT		
1	10/08/07	ECO 74352	JT	JT	JBA
0	10/01/07	FIRST ISSUE	HHP	JT	JBA

TOSHIBA
TOSHIBA INTERNATIONAL CORPORATION
MADE IN HOUSTON, TEXAS U.S.A.

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TITLE:
EQUIPMENT RATINGS
2 POWER MODULES G3+B 480VAC

CUSTOMER:

PROJECT NUMBER:

REVISION: 2

SCALE:

DRAWING NUMBER: I808HQ05

PAGE No.	DEVICE	DESCRIPTION	815kVA, 480V, 980A			932kVA, 480V, 1121A			1000kVA, 480V, 1203A		
			TYPE FORM	RATING	PART NUMBER	TYPE FORM	RATING	PART NUMBER	TYPE FORM	RATING	PART NUMBER
8	③ MCCB1	MOLDED CASE SWITCH	SQD PJL36000S10-RE10	600V, 1000A, 3P, 65KAIC@480V	PC11001P013	SQD PJL36000S12-RE10	600V, 1200A, 3P, 65KAIC@480V	PC11001P014	SQD PJL36000S12-RE10	600V, 1200A, 3P, 65KAIC@480V	PC11001P014
	④ MCCB1, 2	CIRCUIT BREAKER	MGI NJNF36600E20	600V, 600A, 3P, 35KAIC@480V	PC11000P094	MGI NJNF36600E20	600V, 600A, 3P, 35KAIC@480V	PC11000P094	MGI NJNF36600E20	600V, 600A, 3P, 35KAIC@480V	PC11000P094
	MCCB3	CPT1 PRIMARY CIRCUIT BRKR	SMS ED62B015	600V, 15A, 2P, 25KAIC@480V	PC11321P015	SMS ED62B015	600V, 15A, 2P, 25KAIC@480V	PC11321P015	SMS ED62B015	600V, 15A, 2P, 25KAIC@480V	PC11321P015
	8FU3	CPT1 SECONDARY FUSE	GLD TRM 15	15A, 250V, TD, 10KAIC	PC26130P033	GLD TRM 15	15A, 250V, TD, 10KAIC	PC26130P033	GLD TRM 15	15A, 250V, TD, 10KAIC	PC26130P033
	③ FRA~FTA	SEMICONDUCTOR FUSE	CRF A055URD32TTI1600	550V, 1600A (X3)	PC15360P160	CRF A055URD32TTI1600	550V, 1600A (X3)	PC15360P160	CRF A055URD32TTI1600	550V, 1600A (X3)	PC15360P160
	④ FRA,B~FTA,B	SEMICONDUCTOR FUSE	CRF 6,9URD32TTF0800	690V, 800A (X6)	37578	CRF 6,9URD32TTF0800	690V, 800A (X6)	37578	CRF 6,9URD32TTF0800	690V, 800A (X6)	37578
	BFI	BLOWN FUSE INDICATOR	CRF MS3V1-5BS	250V, 3A	PC15360P001	CRF MS3V1-5BS	250V, 3A	PC15360P001	CRF MS3V1-5BS	250V, 3A	PC15360P001
	CPT1	CNTL. PWR. TRANSFORMER	GTI GT-F851	380/400/415/460:230V, 2kVA	PC33130P201	GTI GT-F851	380/400/415/460:230V, 2kVA	PC33130P201	GTI GT-F851	380/400/415/460:230V, 2kVA	PC33130P201
	⑥ ACL1, 2	OUTPUT LINE REACTOR	TCI KLR480BCB	480V, 480A, 1.5%	PC34092P400	TCI KLR600BCB	480V, 600A, 1.5%	PC34092P600	TCI KLR600BCB	480V, 600A, 1.5%	PC34092P600
	⑤ ACL1, 2	OUTPUT LINE REACTOR	TCI KTRSWA500XA	600V, 588A, 0.077mH, 2.2kHZ	PC34097P501	TCI KTRSWA500XA	600V, 588A, 0.077mH, 2.2kHZ	PC34097P501	TCI KTRSWA500XA	600V, 588A, 0.077mH, 2.2kHZ	PC34097P501
	⑤ CAP1~4	FILTER CAPACITOR	SHZ M-N0044-D	250UF, 3PH, 460VAC, 75A	PC14150P020	SHZ M-N0044-D	250UF, 3PH, 460VAC, 75A	PC14150P020	SHZ M-N0044-D	250UF, 3PH, 460VAC, 75A	PC14150P020
	⑤ 8FU4~11	FILTER CAPACITOR FUSE	CRF 6,9gGR SIB NH00	690VAC, 125A	PC15360P010	CRF 6,9gGR SIB NH00	690VAC, 125A	PC15360P010	CRF 6,9gGR SIB NH00	690VAC, 125A	PC15360P010
	⑤ BFI	BLOWN FUSE INDICATOR	CRF F210156C	250V, 10A	PC15360P011	CRF F210156C	250V, 10A	PC15360P011	CRF F210156C	250V, 10A	PC15360P011
	HCTB, HCTC	HALL CT	LEM HAX-1000-S	1000A:4V	PC30013P051	LEM HAX-1000-S/SP11	1125A:4V	PC30013P063	LEM HAX-1200-S	1200A:4V	PC30013P050
9	MS1	SOFT START CONTACTOR	TMQ LC1F400U7	400A, 600V, 3P	PC18701P005	TMQ LC1F4004U7	400A, 600V, 4P	PC18701P026	TMQ LC1F4004U7	400A, 600V, 4P	PC18701P026
	MS2	CAP DISCHARGE CONTACTOR	CLK 7001-5150-21	40A, 500VDC, 1P	PC18720P013	CLK 7001-5150-21	40A, 500VDC, 1P	PC18720P013	CLK 7001-5150-21	40A, 500VDC, 1P	PC18720P013
	OH1T~OH2T	T-STAT 75°C FIXED N.C.	TKN OHD3-75B	75°C	45811	TKN OHD3-75B	75°C	45811	TKN OHD3-75B	75°C	45811
	OH1B~OH2B	T-STAT 90°C FIXED N.C.	TKN OHD3-90B	90°C	37619	TKN OHD3-90B	90°C	37619	TKN OHD3-90B	90°C	37619
	THR1	HEATSINK THERMISTOR	FEN 590-32BP01-203	2KOHM @ 25 DEG C	41935	FEN 590-32BP01-203	2KOHM @ 25 DEG C	41935	FEN 590-32BP01-203	2KOHM @ 25 DEG C	41935
	R1	SOFT START RESISTOR	PWO WR33	0.67 OHM, 300W, 2S	PC41490P052	PWO WR33	0.67 OHM, 300W, 2S	PC41490P052	PWO WR33	0.67 OHM, 300W, 2S	PC41490P052
	R2	CAP DISCHARGE RESISTOR	PWO SXR2-500	500 OHM, 300W, 3S	PC41490P052	PWO SXR2-500	500 OHM, 300W, 3S	PC41490P052	PWO SXR2-500	500 OHM, 300W, 3S	PC41490P052
	REC1A, M, B~6	DIODE PACK	EUP DD260N16K	1600V, 260A (X12)	PC40316P260	EUP DD260N16K	1600V, 260A (X12)	PC40316P260	EUP DD260N16K	1600V, 260A (X12)	PC40316P260
	③ SA1~SA3	SURGE SUPPRESSOR	SMS B40K550	550V, 3000J	PC47000P003	SMS B40K550	550V, 3000J	PC47000P003	SMS B40K550	550V, 3000J	PC47000P003
	④ SA4~SA6	SURGE SUPPRESSOR	SMS B40K550	550V, 3000J	PC47000P003	SMS B40K550	550V, 3000J	PC47000P003	SMS B40K550	550V, 3000J	PC47000P003
	IGBT7	DYNAMIC BRAKE IGBT	EUP FZ600R12KE3	1200V, 600A (X2)	PC40200P600	EUP FZ600R12KE3	1200V, 600A (X2)	PC40200P600	EUP FZ600R12KE3	1200V, 600A (X2)	PC40200P600
	D7A, B	DYNAMIC BRAKE DIODE	SMK SKN60F15	75A, 1500V	PC40300P075	SMK SKN60F15	75A, 1500V	PC40300P075	SMK SKN60F15	75A, 1500V	PC40300P075
	C7	SNUBBER CAPACITOR	EC 5MP-13086K	5.0UF, 1000VDC	46326	EC 5MP-13086K	5.0UF, 1000VDC	46326	EC 5MP-13086K	5.0UF, 1000VDC	46326
	C7A, B	SNUBBER CAPACITOR	SGU 564R30GAD47	4700pF, 3000V	PC42200P003	SGU 564R30GAD47	4700pF, 3000V	PC42200P003	SGU 564R30GAD47	4700pF, 3000V	PC42200P003
	R7	SNUBBER RESISTOR	UPE RBN50/8-25R	25 OHM, 50W	PC41490P035	UPE RBN50/8-25R	25 OHM, 50W	PC41490P035	UPE RBN50/8-25R	25 OHM, 50W	PC41490P035
	PCB6	DYNAMIC BRAKE G-E PROT	44348A	---	44348A	44348A	---	44348A	44348A	---	44348A
10, 12	HCTA	HALL CT	NNE HEC-07A(AMO)	677A:4V	PC30013P066	NNE HEC-07A(AMO)	677A:4V	PC30013P066	NNE HEC-07A(AMO)	677A:4V	PC30013P066
	CA	CAPACITOR	HIT HCGF5AS2G123YQ	12kUF, 400VDC (4P/2S)	37568	HIT HCGF5AS2G123YQ	12kUF, 400VDC (4P/2S)	37568	HIT HCGF5AS2G123YQ	12kUF, 400VDC (4P/2S)	37568
	FA	SEMICONDUCTOR FUSE	CRF 6,9URB000BS88	690V, 250A (X4)	52751	CRF 6,9URB000BS88	690V, 250A (X4)	52751	CRF 6,9URB000BS88	690V, 250A (X4)	52751
	RA	CAP BALANCING RESISTOR	DLR RS-10	50 kOHM, 10W (X8)	PC41470P052	DLR RS-10	50 kOHM, 10W (X8)	PC41470P052	DLR RS-10	50 kOHM, 10W (X8)	PC41470P052
	FUP, FUN	SEMICONDUCTOR FUSE	CRF 6,9URD32TTF1000	690V, 1000A (X4)	47244	CRF 6,9URD32TTF1000	690V, 1000A (X4)	47244	CRF 6,9URD32TTF1000	690V, 1000A (X4)	47244
	BFI	BLOWN FUSE INDICATOR	CRF MS3V1-5BS	250V, 3A	PC15360P001	CRF MS3V1-5BS	250V, 3A	PC15360P001	CRF MS3V1-5BS	250V, 3A	PC15360P001
	IGBT	IGBT	EUP FZ600R12KE3	1200V, 600A (X18)	PC40200P600	EUP FZ600R12KE3	1200V, 600A (X18)	PC40200P600	EUP FZ600R12KE3	1200V, 600A (X18)	PC40200P600
	PCB20~20B	SNUBBER CIRCUIT PCB	PC61910P117A	---	PC61910P117A	PC61910P117A	---	PC61910P117A	PC61910P117A	---	PC61910P117A
	RP, RN	RESISTOR	ITK IRH100N	25 OHM, 100W	PC41490P038	ITK IRH100N	25 OHM, 100W	PC41490P038	ITK IRH100N	25 OHM, 100W	PC41490P038
	RS1, 1A	RESISTOR	EBG HPP/4-10R	10 OHM, 60W	53706	EBG HPP/4-10R	10 OHM, 60W	53706	EBG HPP/4-10R	10 OHM, 60W	53706
18	G3 KPD	G3 OPERATOR KEYPAD	---	---	48723	---	---	48723	---	---	48723
20	DS1	DOOR SWITCH	IDE TABD311N-R	10A, 600V	PC21230P162	IDE TABD311N-R	10A, 600V	PC21230P162	IDE TABD311N-R	10A, 600V	PC21230P162
	MST	TIMER, ON DELAY	IDE GT5Y-2SN1A200	240VAC COIL, 0.1S-10M DELAY	PC20111P180	IDE GT5Y-2SN1A200	240VAC COIL, 0.1S-10M DELAY	PC20111P180	IDE GT5Y-2SN1A200	240VAC COIL, 0.1S-10M DELAY	PC20111P180
	MSX	CONTROL RELAY	IDE RR2P-U-AC240V	240VAC COIL, 7A	PC20229P326	IDE RR2P-U-AC240V	240VAC COIL, 7A	PC20229P326	IDE RR2P-U-AC240V	240VAC COIL, 7A	PC20229P326
21	FAN1, 2	HEAT SINK FAN	ZA RH31M-4/130823	230VAC, 1200CFM, 50/60HZ	PC50050P310	ZA RH31M-4/130823	230VAC, 1200CFM, 50/60HZ	PC50050P310	ZA RH31M-4/130823	230VAC, 1200CFM, 50/60HZ	PC50050P310
	C1, 2	FAN RUN CAPACITOR	CDE SFA37S4K219B-F	370V, 4uF	PC42000P412	CDE SFA37S4219B-F	370V, 4uF	PC42000P412	CDE SFA37S4K219B-F	370V, 4uF	PC42000P412
	FAN11, 12 (⑦FAN7)	INTERNAL FAN	ETR 148VK0281030	240VAC, 33W, 50/60HZ, 255CFM	00226	ETR 148VK0281030	240VAC, 33W, 50/60HZ, 255CFM	00226	ETR 148VK0281030	240VAC, 33W, 50/60HZ, 255CFM	00226
	NK1, 2 (⑦NK7)	SURGE SUPPRESSOR	MCN RFM25M224KD	250VAC, 0.22uF, 220 OHM	00427	MCN RFM25M224KD	250VAC, 0.22uF, 220 OHM	00427	MCN RFM25M224KD	250VAC, 0.22uF, 220 OHM	00427
	① FAN21~24	ENCLOSURE FAN	ETR 148VK0281030	240VAC, 33W, 50/60HZ, 255CFM	00226	ETR 148VK0281030	240VAC, 33W, 50/60HZ, 255CFM	00226	ETR 148VK0281030	240VAC, 33W, 50/60HZ, 255CFM	00226
	① NK3, 4	SURGE SUPPRESSOR	MCN RFM25M224KD	250VAC, 0.22uF, 220 OHM	00427	MCN RFM25M224KD	250VAC, 0.22uF, 220 OHM	00427	MCN RFM25M224KD	250VAC, 0.22uF, 220 OHM	00427
	② HEX1, 2	HEAT EXCHANGER	DAN PS035055B-P2	230VAC, 1.86A, 55W/°F	PC67808P152	DAN PS035055B-P2	230VAC, 1.86A, 55W/°F	PC67808P152	DAN PS035055B-P2	230VAC, 1.86A, 55W/°F	PC67808P152
	TCC	CONTACTOR	TMQ LC1D09U7	240V COIL, 9A, 600V	PC18701P060	TMQ LC1D09U7	240V COIL, 9A, 600V	PC18701P060	TMQ LC1D09U7	240V COIL, 9A, 600V	PC18701P060
29	PCB1	CONTROL BOARD	VF5C-1271D	---	03828	VF5C-1271D	---	03828	VF5C-1271D	---	03828
	PCB2, 2A	GATE DRIVE BOARD	42755P4F	---	42755P4F	42755P4F	---	42755P4F	42755P4F	---	42755P4F
	PCB3	INTERFACE BOARD	PC61910P109A	---	PC61910P109A	PC61910P109A	---	PC61910P109A	PC61910P109A	---	PC61910P109A
	PCB4~4E	G-E PROTECT CIRCUIT BOARD	38383C	---	38383C	38383C	---	38383C	38383C	---	38383C
	PCB5	TERMINAL BOARD	41578A	---	41578A	41578A	---	41578A	41578A	---	41578A
	PCB7	OPTION ROM	58270	VER 7008	58270	58270	VER 7008	58270	58270	VER 7008	58270

NOTES:

① NEMA 1 OPTION
② NEMA 3R OPTION
③ 6 PULSE OPTION
④ 12 PULSE OPTION
⑤ SINEWAVE FILTER OPTION
⑥ NON-SINEWAVE FILTER
⑦ IGBT7 OPTION

REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2	04/30/08	ECO 75305-CPT1 WAS SQD	JT		
1	10/08/07	ECO 75352	JT	JT	JBA
0	05/30/06	FIRST ISSUE	HHP	JT	JBA

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TITLE:
EQUIPMENT RATINGS
2 POWER MODULES G3+B 480VAC

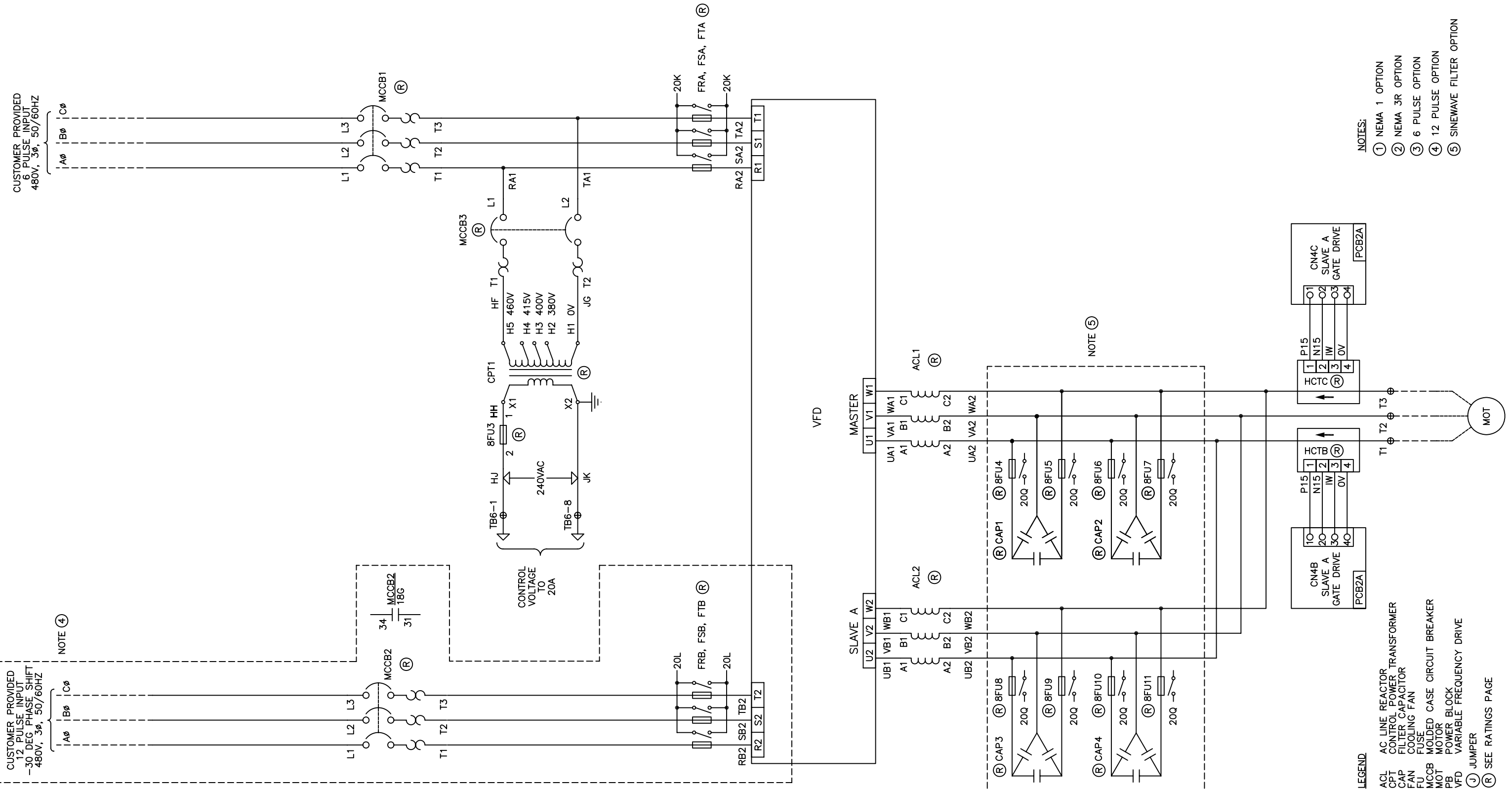
CUSTOMER:

PROJECT NUMBER:

REVISION: 2

SCALE:

DRAWING NUMBER: I808HQ06



REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2					
1	04/30/08	ECO 75305-CPT1 WAS SQD	JT		
0	12/06/06	FIRST ISSUE	HHP	JT	JBA

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TITLE:
THREE-LINE DIAGRAM
2 POWER MODULES G3+B 480VAC

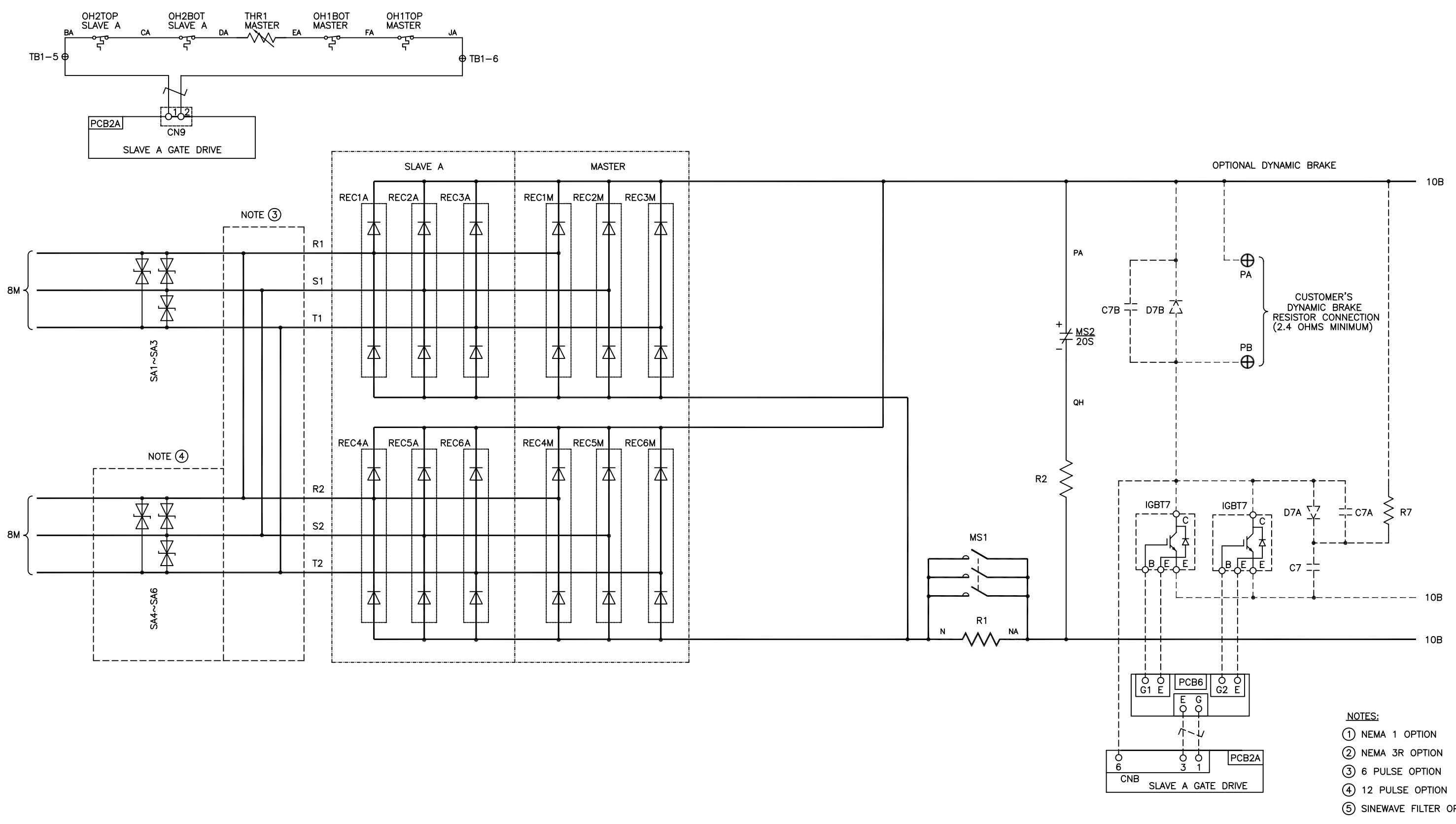
CUSTOMER:

PROJECT NUMBER:

REVISION: 1

SCALE:

DRAWING NUMBER: I808HQ08



REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2					
1					
0	10/18/05	FIRST ISSUE	HHP		

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TITLE:

MAIN CIRCUIT – AC IN/DC BUS
2 POWER MODULES G3+B 480VAC

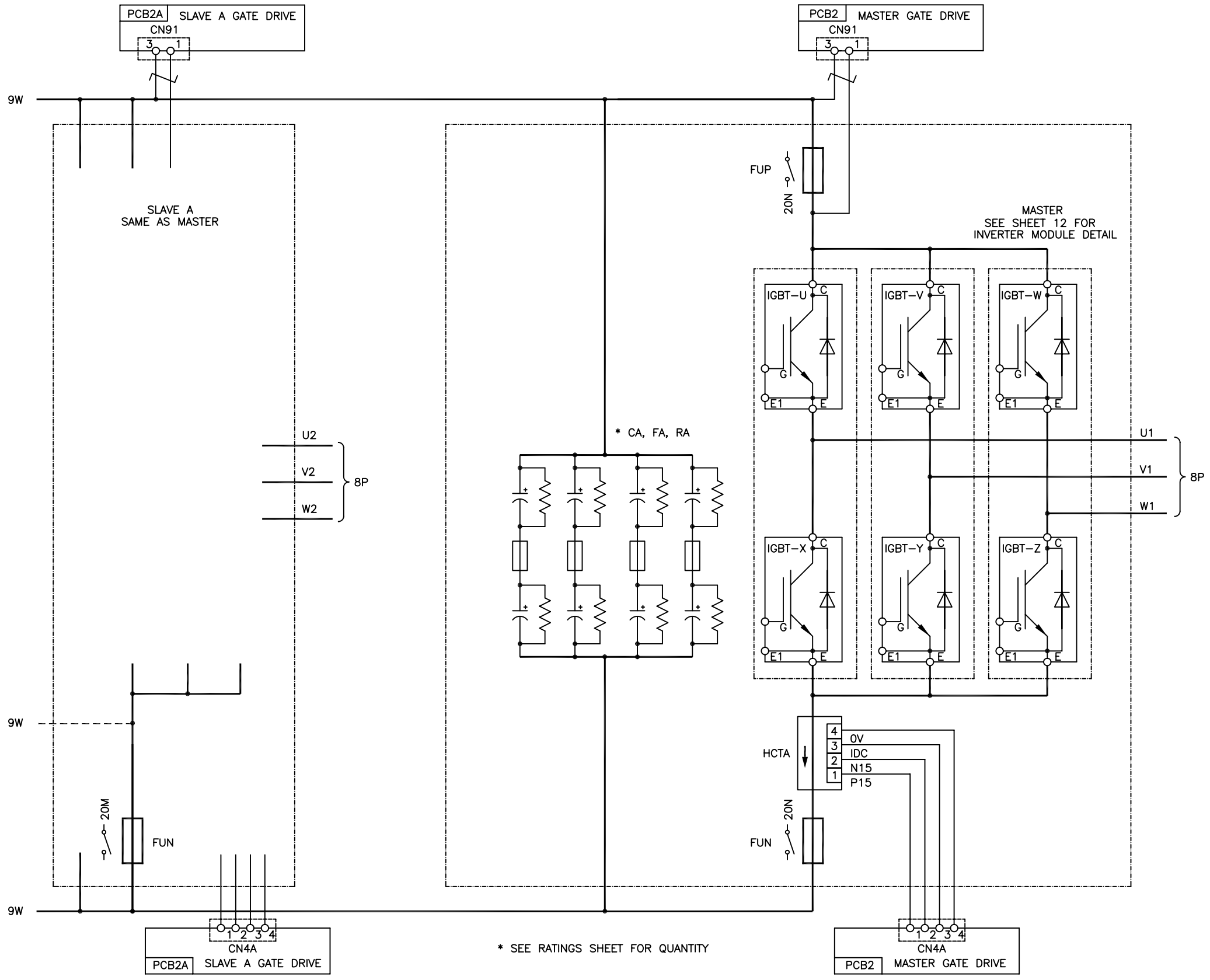
CUSTOMER:

PROJECT NUMBER:

REVISION: 0

SCALE:

DRAWING NUMBER: I808HQ09



REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2					
1					
0	10/18/05	FIRST ISSUE	HHP		

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TITLE:
MAIN CIRCUIT – DC BUS/AC OUT
2 POWER MODULES G3+B 480VAC

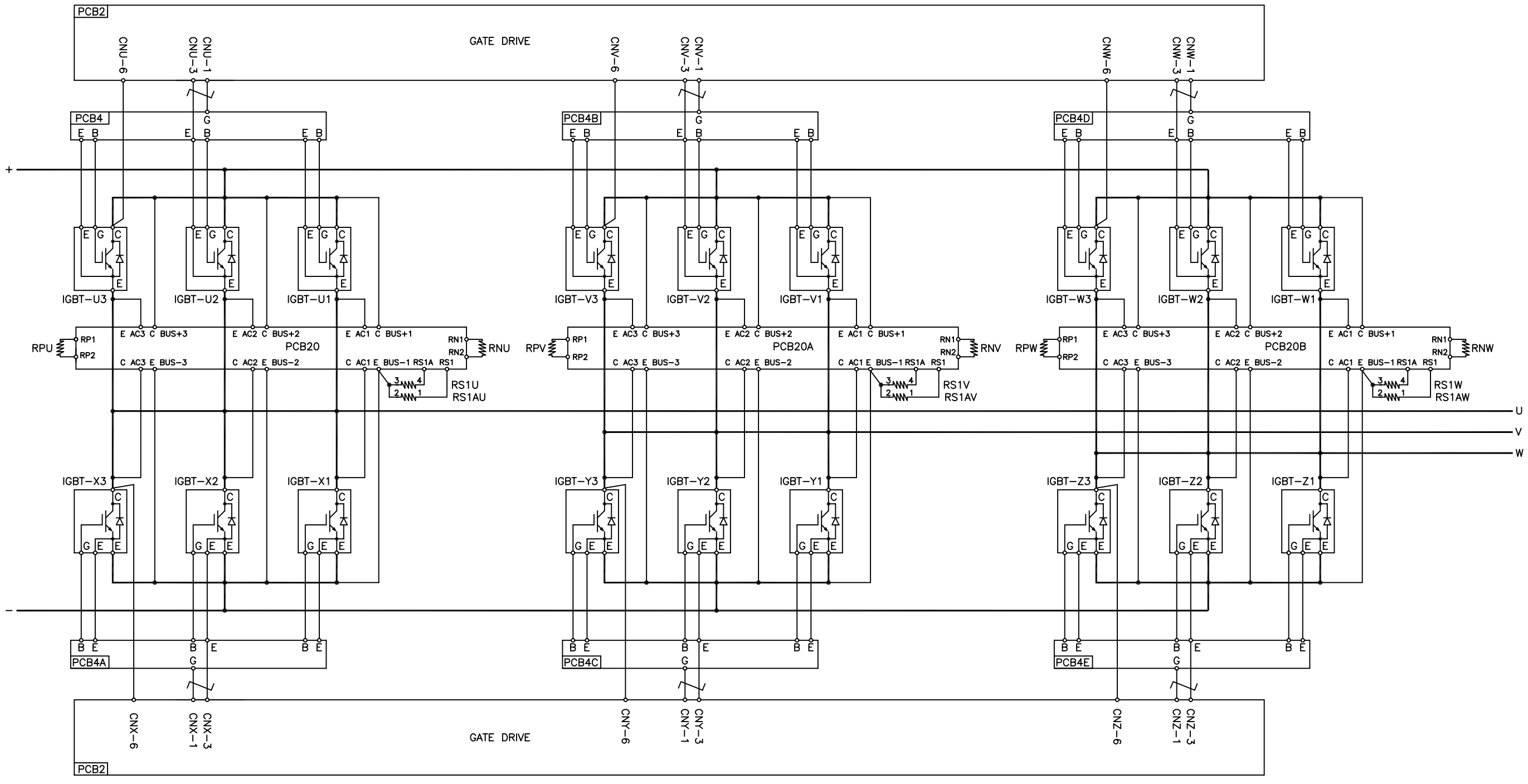
CUSTOMER:

PROJECT NUMBER:

REVISION: 0

SCALE:

DRAWING NUMBER: I808HQ10



SEE RATINGS SHEET FOR IGBT QUANTITY

REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2					
1					
0	10/17/05	FIRST ISSUE	HHP		

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TITLE:

MAIN CIRCUIT DETAIL – INVERTER
2 POWER MODULES G3+B 480VAC

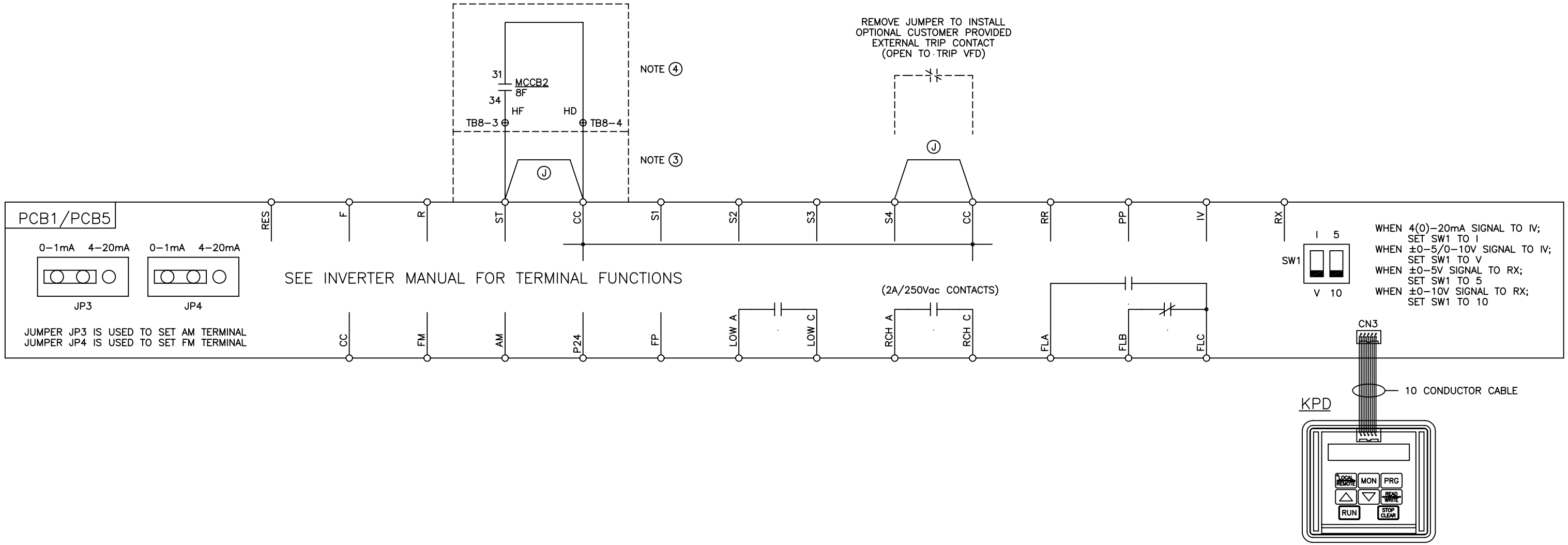
CUSTOMER:

PROJECT NUMBER:

REVISION: 0

SCALE:

DRAWING NUMBER: I808HQ12



NOTES:

1. NEMA 1 OPTION
2. NEMA 3R OPTION
3. 6 PULSE OPTION
4. 12 PULSE OPTION
5. SINEWAVE FILTER OPTION

REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2					
1					
0	10/18/05	FIRST ISSUE	HHP		

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TITLE:
LOGIC INTERFACE CIRCUIT
2 POWER MODULES G3+B 480VAC

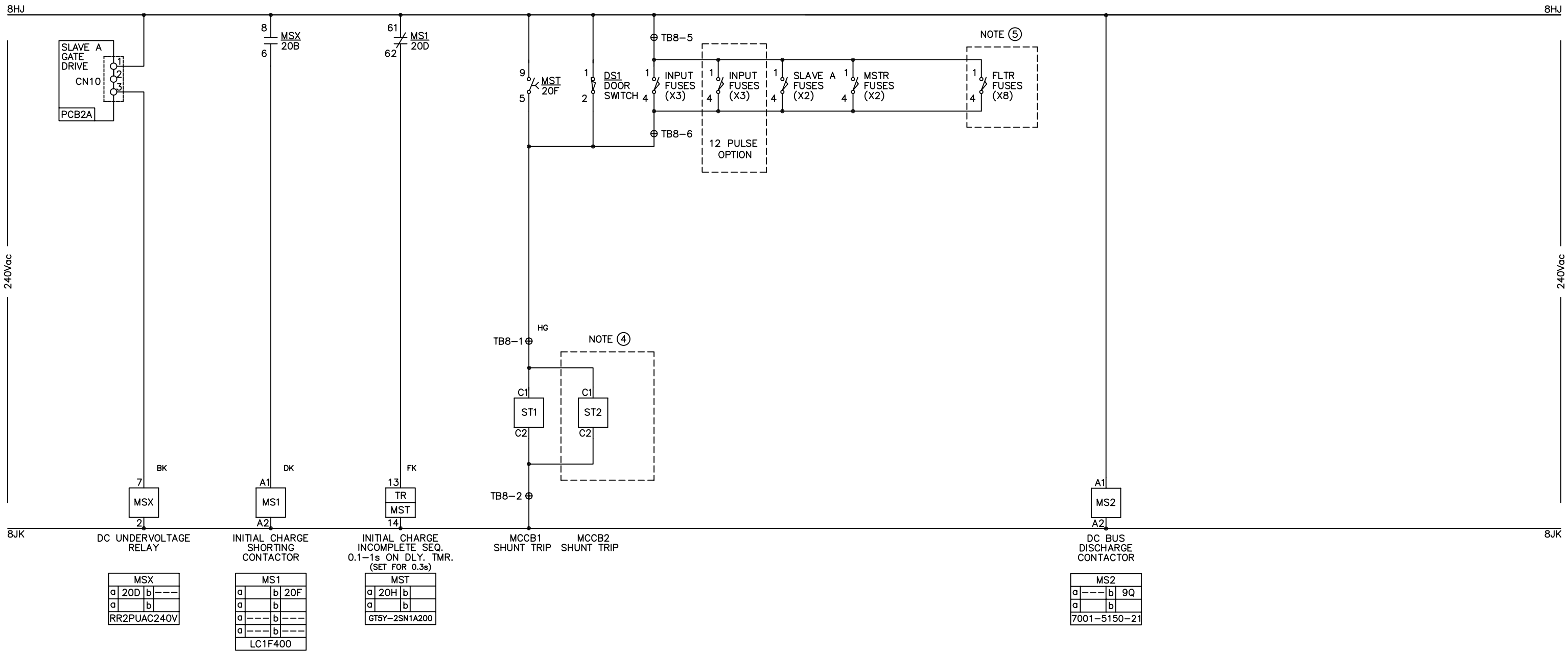
CUSTOMER:

PROJECT NUMBER:

REVISION: 0

SCALE:

DRAWING NUMBER: I808HQ18



NOTES:

1. NEMA 1 OPTION
2. NEMA 3R OPTION
3. 6 PULSE OPTION
4. 12 PULSE OPTION
5. SINEWAVE FILTER OPTION

REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2					
1					
0	10/18/05	FIRST ISSUE	HHP		

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TITLE:
CONTROL CIRCUIT
2 POWER MODULES G3+B 480VAC

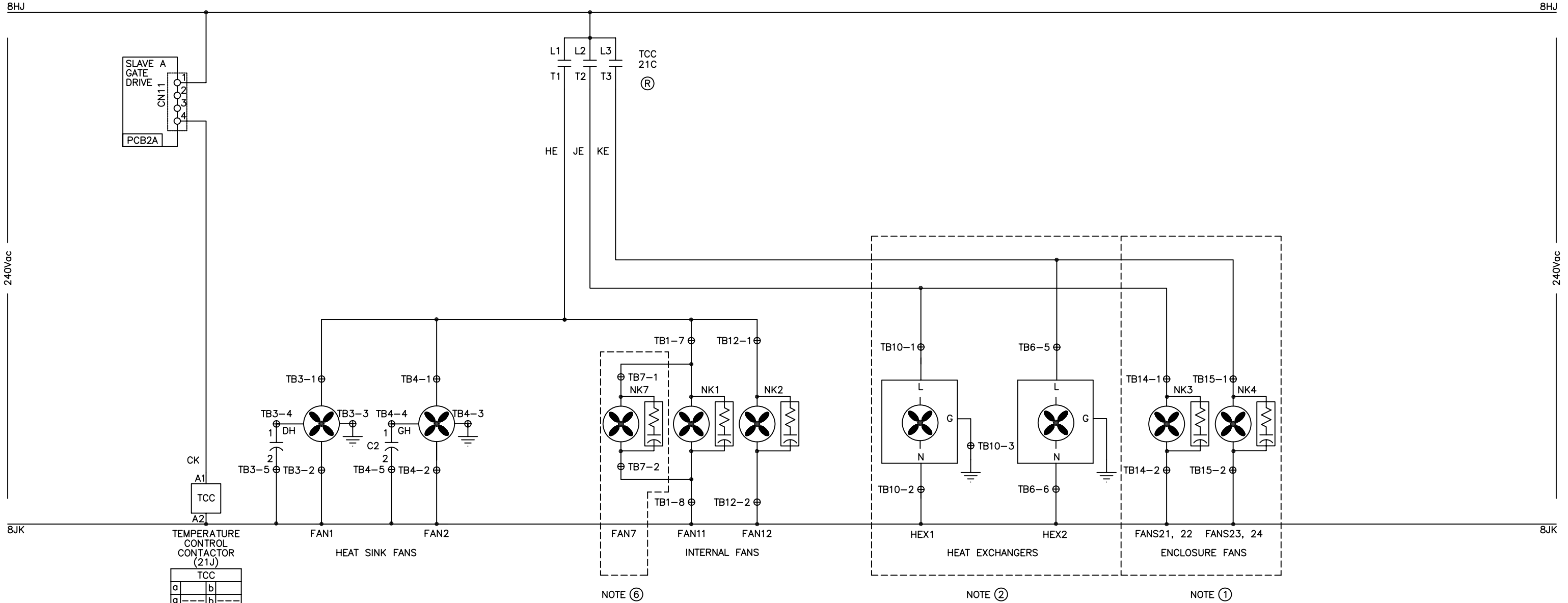
CUSTOMER:

PROJECT NUMBER:

REVISION: 0

SCALE:

DRAWING NUMBER: I808HQ20



NOTES:

1. NEMA 1 OPTION
2. NEMA 3R OPTION
3. 6 PULSE OPTION
4. 12 PULSE OPTION
5. SINEWAVE FILTER OPTION
6. IGBT7 OPTION

REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2					
1					
0	10/18/05	FIRST ISSUE	HHP		

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TITLE:
CONTROL CIRCUIT–TEMPERATURE CONTROL
2 POWER MODULES G3+B 480VAC

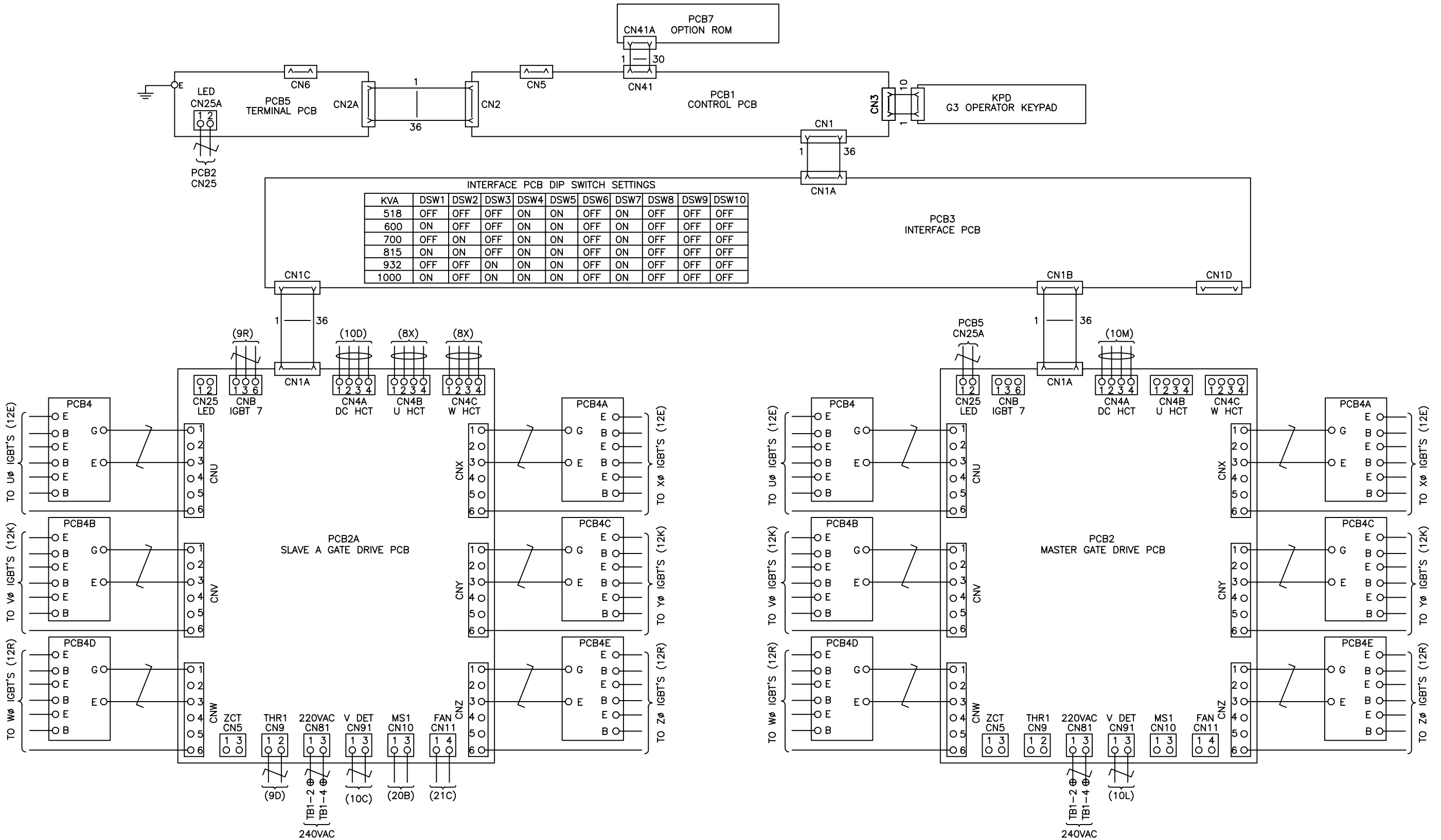
CUSTOMER:

PROJECT NUMBER:

REVISION: 0

SCALE:

DRAWING NUMBER: I808HQ21



INTERFACE PCB DIP SWITCH SETTINGS

KVA	DSW1	DSW2	DSW3	DSW4	DSW5	DSW6	DSW7	DSW8	DSW9	DSW10
518	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
600	ON	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
700	OFF	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
815	ON	ON	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
932	OFF	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF
1000	ON	OFF	ON	ON	ON	OFF	ON	OFF	OFF	OFF

REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2					
1					
0	10/18/05	FIRST ISSUE	HHP		

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TITLE:

PCB INTERCONNECTIONS
2 POWER MODULE G3+B 480VAC

CUSTOMER:

PROJECT NUMBER:

REVISION: 0

SCALE:

DRAWING NUMBER: I808HQ29

LEGEND

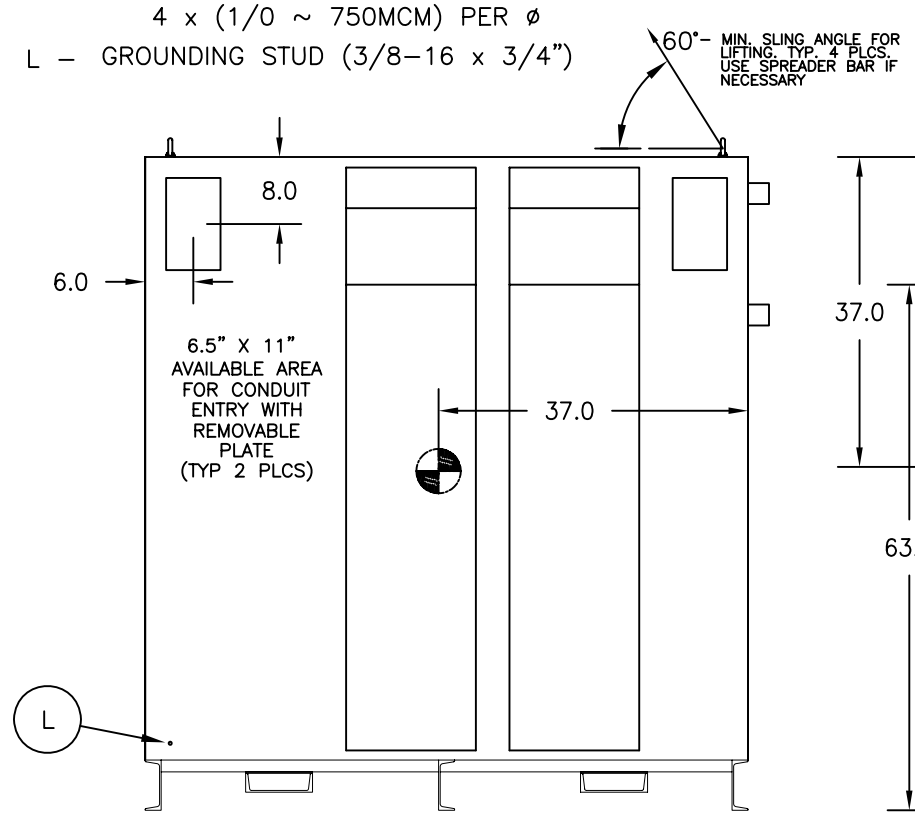
H – GROUND LUG (1/0 ~ 350MCM)

I – INPUT TERMINATIONS (REAR ENTRY)
518, 600kVA: 3 x (3/0 ~ 500MCM) PER ø
700~1000kVA: 4 x (3/0 ~ 500MCM) PER ø

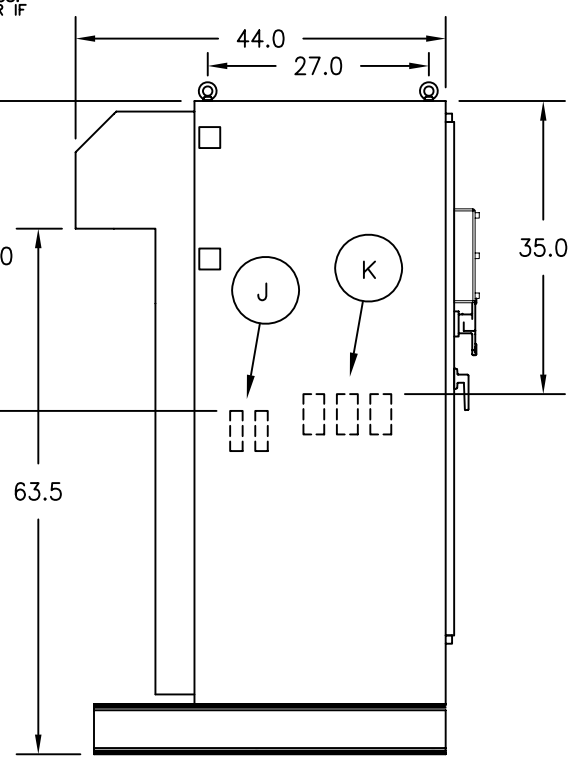
J – DB RESISTOR CONNECTIONS (WHEN INSTALLED)
2 x (4 AWG ~ 350MCM) PER TERMINAL

K – OUTPUT TERMINATIONS (REAR ENTRY)
4 x (1/0 ~ 750MCM) PER ø

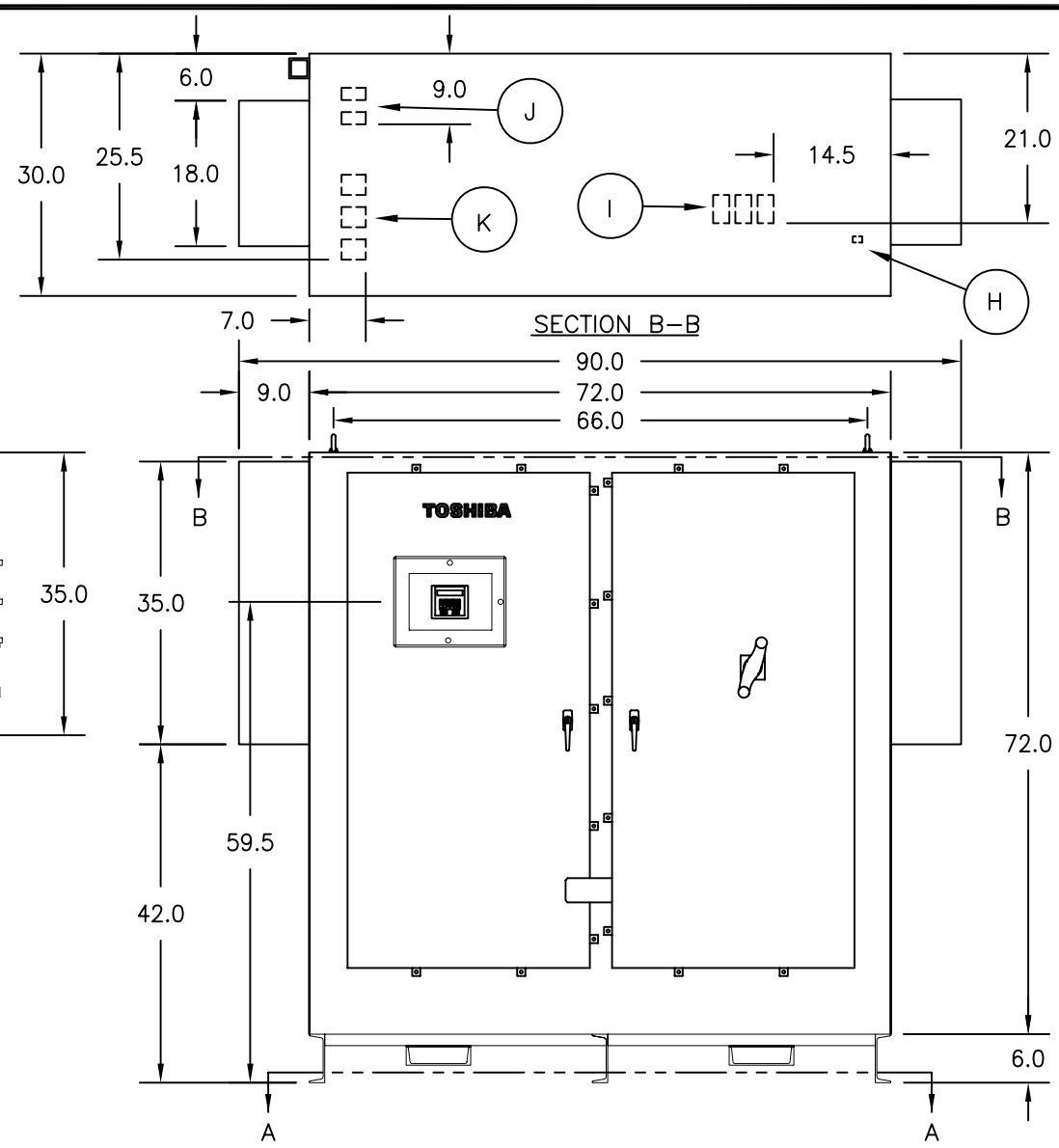
L – GROUNDING STUD (3/8–16 x 3/4")

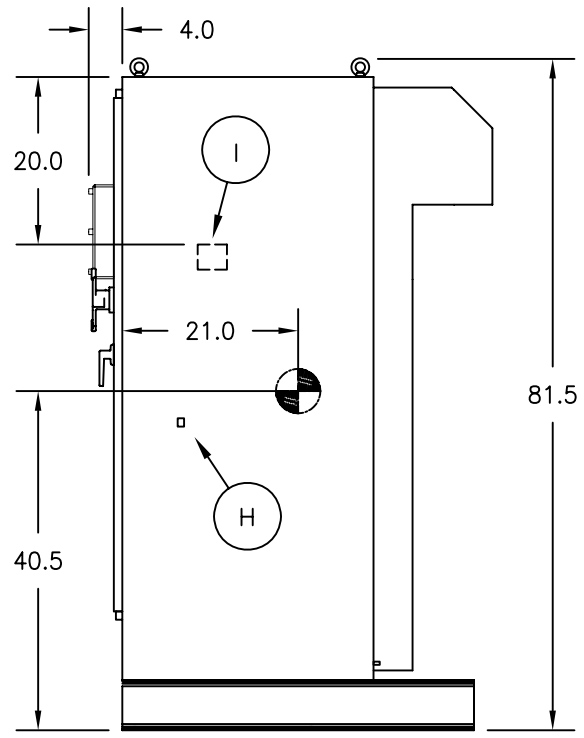

60°– MIN. SLING ANGLE FOR LIFTING. TYP. 4 PLCS. USE SPREADER BAR IF NECESSARY
8.0
6.0
6.5" X 11" AVAILABLE AREA FOR CONDUIT ENTRY WITH REMOVABLE PLATE (TYP 2 PLCS)
37.0
L

REAR VIEW



LEFT SIDE VIEW



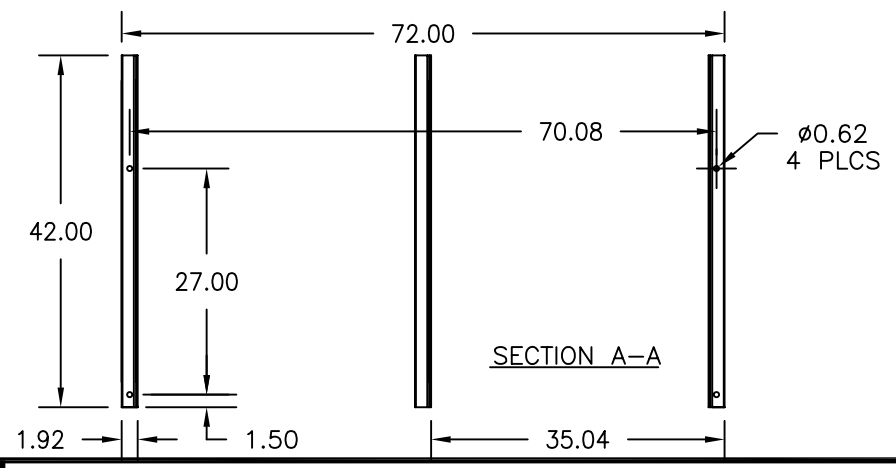


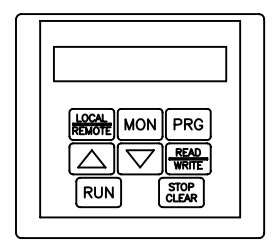
RIGHT SIDE VIEW

CENTER OF GRAVITY

NOTES

– DIMENSIONS ARE IN INCHES.
– DIMENSIONS FOR REFERENCE ONLY.
– WEIGHT: APPROX. 2000lbs (900kg)
– COLOR: WHITE
– INPUT/OUTPUT TERMINATION BENDING SPACE IN ACCORDANCE WITH NEC TABLE 312–6(b)





KEYPAD DETAILED VIEW

REV	DATE	DESCRIPTION	BY	CHK	APPR
4					
3					
2					
1	11/21/08	KPD WAS 57.5; ADD GRD STUD; REV BASE	JT		
0	10/18/05	FIRST ISSUE	HHP	JT	JBA

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TITLE:
ENCLOSURE OUTLINE–N3R NON–SINEWAVE
518~1000kVA G3+B 480VAC 6 PULSE

CUSTOMER:

PROJECT NUMBER:

REVISION: 1

SCALE: 1.0=24.0

DRAWING NUMBER: I808HQ38